

In the Claims

Please amend claims 2-4, and 7-8 and add new claim 9 as follows:

2. (Amended)

The method of claim 9 wherein the S-alkylthiol is selected from the group consisting of S-ethylcysteine, S-methylcysteine, S-methylcysteamine, S-ethylcysteamine, S-ethylglutathione, S-methylglutathione, S-methylcoenzyme A, and S-ethylcoenzyme A.

3. (Amended)

The method of claim 9 wherein the S-alkylthiol is selected from the group consisting of S-ethyl-L-cysteine, S-methyl-L-cysteine, S-ethylglutathione, S-methylglutathione, S-methylcysteamine, S-ethylcysteamine, S-methylcoenzyme A and S-ethylcoenzyme A.

4. (Amended)

The method of claim 9 wherein the S-alkylthiol is a pharmaceutically acceptable salt form.

7. (Twice Amended)

The method of claim 9 wherein the administration is intravenously.

8. (Twice Amended)

The method of claim 9 wherein the dose ranges from about 100 mg to about 10 g.

9. (New)

A method of treating hypotension comprising:

diagnosing hypotension in a patient;

administering to a patient a therapeutically effective amount of an S-alkylthiol as an antagonist of  
S-nitrosothiols; and

observing the effect of the S-alkylthiol on the hypotension.